
Product Data Sheet

Product Name: POLR2J Human
 Cat. No.: GP24210
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	DNA-directed RNA polymerase II subunit RPB11-a; RNA polymerase II subunit B11-a; RPB11a; DNA-directed RNA polymerase II subunit J-1; RNA polymerase II 13.3 kDa subunit; POLR2J; POLR2J1; RPB11; RPB11m; hRPB14.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMNAPPAF ESLLFEGEK KITINKDTKV PNACLFTINK EDHTLGNIK SQLLKDPQVL FAGYKVPHPHPL EHKIIIRVQT TPDYSPQEAF TNAITDLISE LSLLEERFRV AIKDKQEGIE.		
Formulation	POLR2J protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 40% glycerol, 5mM DTT and 2mM EDTA.		

Introduction

Polymerase (RNA) II (DNA directed) Polypeptide J (POLR2J) is a subunit of RNA polymerase II, the polymerase responsible for synthesizing messenger RNA in eukaryotes. The POLR2J protein occurs as a heterodimer with another polymerase subunit; together they develop a core subassembly unit of the polymerase. POLR2J is ubiquitously expressed, having a high expression in the heart and skeletal muscle.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

POLR2J Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 140 amino acids (1-117 a.a) and having a molecular mass of 15.7kDa. POLR2J is fused to a 23 amino acid His-tag at N-terminus & purified by

Caution: Product has not been fully validated for medical applications. For research use only.

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proprietary chromatographic techniques.

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